

# FIELDKING

Heavy Duty Land Leveler



➤ [Operator Manual](#) ➤ [Service Manual](#) ➤ [Part Catalogue](#)

# CONGRATULATIONS!

You have invested in one of the best implements of its type in the market today.

The care you give your "FIELDKING" implement will greatly determine your satisfaction with its performance and its service life. A careful study of this manual will give you a thorough understanding of your new implement before operating.

If your manual is lost or destroyed, "FIELDKING" will be glad to provide you a new copy. Visit to nearest dealership & get a copy. Most of our manuals can also be downloaded from our website at [www.fieldking.com](http://www.fieldking.com).

As an authorized "FIELDKING" dealer, we stock genuine "FIELDKING" parts which are manufactured with the same precision and skill as our original equipment. Our trained service persons are well informed on methods required to service "FIELDKING" equipments and are ready to help you.

Should you require additional information or assistance, please contact us.

YOUR AUTHORIZED

FIELDKING DEALER

BECAUSE "FIELDKING" MAINTAINS AN ONGOING PROGRAMME OF PRODUCT IMPROVEMENT, WE RESERVE THE RIGHT TO MAKE IMPROVEMENTS IN DESIGN OR CHANGE IN SPECIFICATION WITHOUT INCURRING ANY OBLIGATION TO INSTALL THEM ON UNITS PREVIOUSLY SOLD. BECAUSE OF THE POSSIBILITY THAT SOME PHOTOGRAPHS IN THIS MANUAL WERE TAKEN OF PROTOTYPE MODELS, PRODUCTION MODELS MAY VARY IN SOME DETAIL. IN ADDITION, SOME PHOTOGRAPHS MAY SHOW SHIELDS REMOVED FOR THE PURPOSE OF CLARITY. NEVER OPERATE THIS IMPLEMENT WITHOUT ALL SHIELDS IN PLACE.

# TO THE PURCHASER

This manual contains valuable information about your new "FIELDKING" Heavy Duty Land Leveler. It has been carefully prepared to give you helpful suggestions for operating, adjusting, servicing and ordering spare parts.

Keep this manual in a convenient place for quick and easy reference. Study it carefully. You have purchased a dependable and sturdy Heavy Duty Land Leveler but only by proper care and operation you can expect to receive the service and long life designed and built into it.

Sometime in the future your Heavy Duty Land Leveler may need new parts to replace which are worn out or broken. If so, go to your dealer and provide him equipment's detail like model and part number.

## CUSTOMER INFORMATION

Name \_\_\_\_\_

Purchased From \_\_\_\_\_

Date of Purchase \_\_\_\_\_

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

## PURCHASER / OPERATOR'S RESPONSIBILITY

1. Read and understand the information contained in this manual.
2. Operate, lubricate, assemble and maintain the equipment in accordance with all instructions and safety procedures in this manual.
3. Inspect the equipment and replace or repair any parts that are damaged or worn out which under continued operation would cause damage, wear to other parts, or cause a safety hazard.
4. Return the equipment or parts to the authorized "FIELDKING" dealer, from where it was purchased, for service or replacement of defective parts that are covered by warranty. (The "FIELDKING" Factory may inspect equipment or parts before warranty claims are honored.)
5. All costs incurred by the dealer for traveling to or transporting the equipment for warranty inspection and claims will be borne by the customer.

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## 1. TECHNICAL DATA

### 1.1 INTRODUCTION

Heavy Duty Land Leveller works in case of land leveling, cleaning farmyard, filling etc. Both the ends of the Leveller need wings to be fit in order to retain soil without release. It works amazingly in case of sticky soil also.

#### Advantages of Land Leveller:

- \* Maximum utilization of limited water resource
- \* Diminution in the timings of the irrigation task and simplification in the process of irrigation
- \* Efficiency in the management of crops with better results
- \* Problems of weeds become minimal with the convenience in preparation of the land
- \* Leveling of land with exactitude and consistency
- \* Farmyard Clearing
- \* Filling, Leveling.
- \* Heavy duty construction.

This Heavy Duty Land Leveller is designed with care and built with quality materials by skilled workers. Proper assembly, maintenance, and operating practices, as described in this manual, will help the owner/operator get years of satisfactory service from the machine.

The purpose of this manual is to familiarize and instruct. The Assembly Section instructs the owner/operator in the correct assembly of the Leveller using standard and optional equipment.

Careful use and timely service saves extensive repairs and costly downtime losses. The Operation and Maintenance Sections of the manual train the owner/operator how to work the Leveller correctly and attend to appropriate maintenance. The Trouble Shooting Guide helps diagnose difficulties and offers solution to the problems.

Safety is of primary importance to the owner/operator and to the manufacturer. The first section of this manual includes a list of Safety Messages, that, if followed, will help protect the operator and bystanders from injury or death. Many of the Safety Messages will be repeated throughout the manual. The owner/operator/dealer should know these Safety Messages before assembly and be aware of the hazards of operating this Leveller during assembly, use, and maintenance. The Safety Alert Symbol combined with a Signal Word, as seen below, is intended to warn the owner/operator of impending hazards and the degree of possible injury faced when operating this machine.

The Heavy Duty Land Leveller is available in widths of 6', 7' and 8' and features a massive CAT- II three-point hitch.



**! DANGER** Indicates an imminently hazardous situation that, if not avoided, WILL result in DEATH OR VERY SERIOUS INJURY.

**! WARNING** Indicates an imminently hazardous situation that, if not avoided, COULD result in DEATH OR SERIOUS INJURY.

**! CAUTION** Indicates an imminently hazardous situation that, if not avoided, MAY result in MINOR INJURY.

**! IMPORTANT** Identifies special instructions or procedures that, if not strictly observed, could result in damage to, or destruction of the machine, attachments or the environment.

#### Attention Owner/Operator

#### BEFORE OPERATING THIS MACHINE:

Carefully read the Operator's Manual, completely understand the Safety Messages and instructions, and know how to operate correctly both the tractor and implement.

#### Safety Messages

A careful operator is the best operator. Safety is of primary importance to the manufacturer and should be to the owner/operator. Most accidents can be avoided by being aware of your equipment, your surroundings, and observing certain precautions. The first section of this manual includes a list of Safety Messages that, if followed, will help protect the operator and bystanders from injury or death. Read and understand these Safety Messages before assembling, operating or servicing this Implement. This equipment should only be operated by those persons who have read the manual, who are responsible and trained, and who know how to do so responsibly.

**! The Safety Alert Symbol combined with a Signal Word, as seen below, is used throughout this manual and on decals which are attached to the equipment. The Safety Alert Symbol means: "ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!" The Symbol and Signal Word are intended to warn the owner/operator of impending hazards and the degree of possible injury faced when operating this equipment.**

Practice all usual and customary safe working precautions and above all---remember safety is up to YOU. Only YOU can prevent serious injury or death from unsafe practices.

**⚠ DANGER** Indicates an imminently hazardous situation that, if not avoided, WILL result in DEATH OR VERY SERIOUS INJURY.

**⚠ WARNING** Indicates an imminently hazardous situation that, if not avoided, COULD result in DEATH OR SERIOUS INJURY.

**⚠ CAUTION** Indicates an imminently hazardous situation that, if not avoided, MAY result in MINOR INJURY.

**IMPORTANT** Identifies special instructions or procedures that, if not strictly observed, could result in damage to, or destruction of the machine, attachments or the environment.

**NOTE:** Identifies points of particular interest for more efficient and convenient operation or repair.



Read, Understand, & follow the following Safety Messages. Serious injury or death may occur unless care is taken to follow the warnings and instructions stated in the Safety Messages. Always use good common sense to avoid hazards.

**⚠ DANGER** Never operate the Tractor or Implement until you have read and completely understand this Manual, the Tractor Operator's Manual, and each of the Safety Messages found in the Manual or on the Tractor and Implement. Learn how to stop the tractor engine suddenly in an emergency. Never allow inexperienced or untrained personnel to operate the Tractor or Implement without supervision. Make sure the operator has fully read and understood the manuals prior to operation.

**⚠ WARNING** Always maintain the safety signs in good readable condition. If the safety signs are missing, damaged, or unreadable, obtain and install replacement safety signs immediately.

**⚠ WARNING** Make certain that the "Slow Moving Vehicle" (SMV) sign is installed in such a way as to be clearly visible and legible. When transporting the Equipment use the Tractor flashing warning lights and follow all local traffic regulations.

**⚠ WARNING** Operate this Equipment only with a Tractor equipped with an approved roll-over-protective system (ROPS). Always wear seat belts. Serious injury or even death could result from falling off the tractor--particularly during a turnover when the operator could be pinned under the ROPS.

**⚠ WARNING** Do not modify or alter this Implement. Do not permit anyone to modify or alter this Implement, any of its components or any Implement function.

**⚠ DANGER BEFORE** leaving the tractor seat, always set the parking brake and/or set the tractor transmission in parking gear, stop the engine, remove the key, and wait for all moving parts to stop. Place the tractor shift lever into a low range or parking gear

to prevent the tractor from rolling. Never dismount a Tractor that is moving or while the engine is running. Operate the Tractor controls from the tractor seat only.

**⚠ DANGER** Never allow children or other persons to ride on the Tractor or Implement. Falling off can result in serious injury or death.

**⚠ DANGER** Never allow children to operate, ride on, or come close to the Tractor or Implement. Usually, 16-17 year-old children who are mature and responsible can operate the implement with adult supervision, if they have read and understand the Operator's Manuals, been trained in proper operation of the tractor and Implement, and are physically large enough to reach and operate the controls easily.

**⚠ WARNING** Do not mount or dismount the Tractor while the tractor is moving. Mount the Tractor only when the Tractor and all moving parts are completely stopped.)

**⚠ DANGER** Start tractor only when properly seated in the Tractor seat. Starting a tractor in gear can result in injury or death. Read the Tractor operators manual for proper starting instructions.

**⚠ DANGER** Never work under the Implement, the framework, or any lifted component unless the Implement is securely supported or blocked up to prevent sudden or inadvertent falling which could cause serious injury or even death.

**⚠ WARNING** The operator and all support personnel should wear hard hats, safety shoes, safety glasses, and proper hearing protection at all times for protection from injury including injury from items that may be thrown by the equipment.)

**⚠ WARNING** Transport only at speeds where you can maintain control of the equipment. Serious accidents and injuries can result from operating this equipment at high speeds. Understand the Tractor and Implement and how it handles before transporting on streets and highways. Make sure the Tractor steering and brakes are in good condition and operate properly.

Before transporting the Tractor and Implement, determine the proper transport speeds for you and the equipment. Make sure you abide by the following rules:

Test the tractor at a slow speed and increase the speed slowly. Apply the Brakes smoothly to determine the stopping characteristics of the Tractor and Implement. As you increase the speed of the Tractor the stopping distance increases. Determine the maximum transport speed not to exceed 20 mph (30 kph) for transporting this equipment.

Test the equipment at a slow speed in turns. Increase the speed through the turn only after you determine that the equipment can be operated at a higher speed. Use extreme care and reduce your speed when turning sharply to prevent the tractor and implement from turning over. Determine the maximum turning speed for you and this equipment before operating on roads or uneven ground.

Only transport the Tractor and Implement at the speeds which allow you to properly control the equipment.

Be aware of the operating conditions. Do not operate the Tractor with weak or faulty brakes or worn tires. When operating down a hill or on wet or rain slick roads, the braking distance increases: use extreme care and reduce your speed. When operating in traffic always

**⚠ WARNING** Never attempt to lubricate, adjust, or remove material from the Implement while it is in motion or while tractor engine is running.

**⚠ WARNING** Periodically inspect all moving parts for wear and replace when necessary with authorized service parts. Look for loose fasteners, worn or broken parts, and leaky or loose fittings. Make sure all pins have cotter pins and washers. Serious injury may occur from not maintaining this machine in good working order.

**⚠ DANGER** Never run the Tractor engine in a closed building or without adequate ventilation. The exhaust fumes can be hazardous to your health.

**⚠ DANGER NEVER** use drugs or alcohol immediately before or while operating the Tractor and Implement.

Drugs and alcohol will affect an operator's alertness and coordination and therefore affect the operator's ability to operate the equipment safely. Before operating the Tractor or Implement, an operator on prescription or over-the-counter medication must consult a medical professional regarding any side effects of the medication that would hinder their ability to operate the Equipment safely. NEVER knowingly allow anyone to operate this equipment when their alertness or coordination is impaired. Serious injury or death to the operator or others could result if the operator is under the influence of drugs or alcohol.

**⚠ DANGER** Operate the Tractor and/or Implement controls only while properly seated in the Tractor seat with the seat belt securely fastened around you. Inadvertent movement of the Tractor or Implement may cause serious injury or death.

**⚠ WARNING** Be particularly careful when transporting the Implement with the Tractor. Turn curves or go up hills only at a low speed and using a gradual steering angle. Rear mounted implements move the center of gravity to the rear and remove weight from the front wheels. Make certain, by adding front ballast, that at least 20% of the tractor's weight is on the front wheels to prevent rearing up, loss of steering control or Tractor tip-over. Slow down on rough or uneven surfaces to prevent loss of steering control which could result in property damage or possible injury. Do not transport unless 3-Point lift lever is fully raised and in the latched transport position. Dropping implement in transport can cause serious damage to the tractor and/or Implement and possibly cause the operator or others to be injured or killed.

**⚠ DANGER** This Implement may be wider than the Tractor. Be careful when operating or transporting this equipment to prevent the Implement from running into or striking

sign posts, guard rails, concrete abutments or other solid objects. Such an impact could cause the Implement and Tractor to pivot violently resulting in loss of steering control, serious injury, or even death. Never allow the Implement to contact obstacles.

**⚠ DANGER** There are obvious and hidden potential hazards in operating Rear Levellers and Box Scrapers as in all power-driven equipment. REMEMBER! This machine is often operated in rough terrain conditions that include gullies, holes, slopes, hidden obstructions and the like. Serious injury or even death may occur unless care is taken to assure the personal safety of the operator and bystanders in the area.)

**⚠ DANGER NEVER PARK** Leveller ON THE BACK OF THE MOLDBOARD. Inadvertent falling could cause serious injury or even death. ALWAYS LOWER HITCH onto stand or onto secure blocks.

**⚠ DANGER** Never leave Leveller unattended in the lifted position. Accidental operation of lifting lever or a hydraulic failure may cause sudden drop of unit with subsequent injury or death by crushing. Lower Stand and pin in place, or put a secure support under the A-Frame. Lower Leveller carefully to the ground. Do not put hands or feet under lifted components.

**⚠ WARNING** Rear Levellers can fall down if not properly supported. Always use the stand on the front hitch or block up securely to prevent falling and possible crushing injury and/or back injury from lifting heavy components.

## SAFETY SIGN/SYMBOLS & LOCATION

### 3.3 Description and location of Safety Symbols

Safety symbols are located on various points of the machine. They can be identified by the yellow upper panel depicting the hazard, and the lower white panel indicating means of avoidance or precautions to be taken. These Symbols have no text. It is essential that all operators and persons associated with the machine fully understand their meanings, which are shown below. Any safety Symbols which are found missing should be replaced. Carefully follow the instructions given on the Symbols.

#### Look For The Safety Alert Symbol

The SAFETY ALERT SYMBOL indicates there is a potential hazard to personal safety involved and extra safety precaution must be taken. When you see this symbol, be alert and carefully read the message that follows it. In addition to design and configuration of equipment, hazard control and accident prevention are dependent upon the awareness, concern, precaution and proper training of persons involved in the operation, transport, maintenance and storage of equipment.

#### Be Aware of Signal Words

A Signal word designates a degree or level of hazard seriousness. The signal words are: Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. This signal word is limited to the most extreme situations, typically for

machine components that, for functional purposes, cannot be guarded.

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices. Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

### Carefully follow the instructions given on the Symbols.

Read Instructions - Always fully read and understand the instructions before using the machine.

Keep Nuts Tight - Ensure all nuts are tight before commencing work with the machine.

Keep Out Zone - Keep at a safe distance from the machine to avoid being crushed.

Unsupported Machine - Do not attempt to get underneath the machine because of the risk of fall.

Safety of the operator and bystanders is one of the main concerns in designing and developing a Heavy Duty Land Leveller. However, every year accidents occur which could have been avoided by a few seconds of thought and a more careful approach to handling equipment. You, the operator, can avoid many accidents by adopting the following precautions and insist those working with you or for you, follow them.

Replace any safety sign that is not readable or is missing. Copies of such safety signs is shown in this manual.

Never use alcoholic beverages or drugs that can hinder alertness or coordination while operating this equipment. Consult your doctor about operating this machine while taking prescribed medications.

Under no circumstances should children under the age of 18 be allowed to work with this equipment. Do not allow persons to operate or assemble this unit until they have read this manual and have developed a thorough understanding of the safety precautions and of how it works. Review the safety instructions with all users annually.

This equipment is dangerous to children and persons unfamiliar with its operation. The operator should be a responsible, properly trained and physically able person familiar with farm machinery and trained in this equipment's operations. If the elderly are assisting with farm work, their physical limitations need to be recognized and accommodated.

Use a tractor equipped with a Roll over Protective System and seat belts. (ROPS)

Never exceed the limits of a piece of machinery. If its ability to do a job, or to do so safely, is in question- DON'T TRY IT.

Do not modify the equipment in any way. Unauthorized modification could result in serious injury or death of operator or may impair the function and life of the equipment.

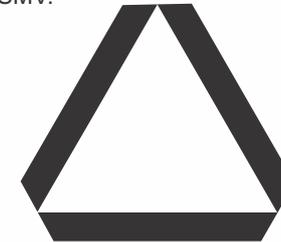
In addition to the design and the configuration of this implement, including safety signs and safety equipment, hazard control and accident prevention are dependent upon the awareness, concern, precaution, and proper training of persons involved in the operation, transport, maintenance and storage of the machine. Also Refer to safety messages and operating instruction in each of the appropriate sections of the tractor and Heavy Duty Land Leveller manuals. Pay close attention to the safety signs affixed to the tractor and the terrace Leveller

### SAFETY SYMBOLS

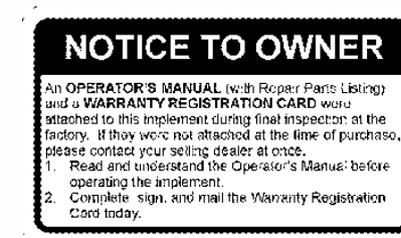
#### WARNING!- Multiple Hazard and General Safety



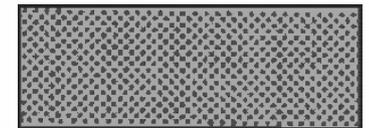
Slow Moving Vehicle Decal. Keep SMV reflector clean and visible. DO NOT transport or operate without the SMV.



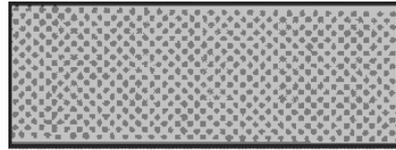
Operator's Manual (with repair parts) and warranty was attached to this implement during final inspection.



Red Reflector. Keep reflectors clean and visible.



Amber Reflector. Keep reflectors clean and visible.



## SAFETY SIGN/SYMBOLS LOCATIONS

The types of safety signs and locations on the equipment are shown in the illustration below. Good safety requires that you familiarize yourself with the various safety signs, the type of warning and the area, or particular function related to that area, that requires your SAFETY AWARENESS

### BEFORE USING THE MACHINE/IMPLEMENT FOR THE FIRST TIME !

- ⚠ **READ THE INSTRUCTION BOOK THOROUGHLY** before attempting to operate or carry out any maintenance on the machine. If you do not understand any part of this manual, ask your dealer for assistance.
- ⚠ **ALWAYS CARRY OUT SAFE MAINTENANCE.** Never clean, adjust or maintain the machine until the engine has been stopped, the machine come to rest, key removed.

- ⚠ **NEVER WORK UNDER A MACHINE RAISED ON THE 3-POINT LINKAGE** unless it is securely supported.
- ⚠ **OPERATE SAFELY.** Before starting work, check that there are no persons or animals in the immediate vicinity of the machine or tractor. Always maintain full control of the tractor and machine. Ensure that you know how to stop the tractor and machine quickly in case of emergency.
- ⚠ **NEVER STAND BETWEEN THE MACHINE/IMPLEMENT AND THE TRACTOR WHEELS.**
- ⚠ **DO NOT WEAR LOOSE OR RAGGED CLOTHING**
- ⚠ **BEWARE OF DUST.** Under dusty conditions, keep the cab windows and doors closed. The use of a dust mask conforming to EN149 is strongly recommended.
- ⚠ **BEWARE OF HIGH NOISE LEVELS.** Some tractor/implement combinations give noise levels in excess of 90dB at the operator's ear. Under such circumstances, ear defenders should be worn. Keep cab windows and doors closed to reduce noise level. Throughout this handbook, the term 'tractor' is used to refer to the power source used to drive them machine. It does not necessarily refer to a conventional agricultural tractor.

### FIELDKING 6', 7' & 8' REAR MOUNTED Leveller OPERATION INSTRUCTIONS

Your FIELDKING should now be assembled and inspected for any evidence of defective or damaged parts before use. Any evidence of damage should be reported to your dealer immediately. After Hydraulic Lines have been attached to tractor and Three-Point Hitch attached, carefully remove safety blocks from Moldboard pivot Point.

This section of the Operator's Manual is designed to familiarize, instruct, and educate safe and proper Leveller use to the operator. Pictures contained in this section are intended to be used as a visual aid to assist in explaining the operation of a rear Leveller and are not necessarily of a Heavy Duty Land Leveller. Some pictures may show shields removed for purposes of clarity. NEVER OPERATE this implement without all shields in place and in good operational condition. The operator must be familiar with the Leveller and tractor operation and all associated safety practices before operating the Leveller and tractor. Proper operation of the Leveller, as detailed in this manual, will help ensure years of safe and satisfactory use of the rear Leveller.

### READ AND UNDERSTAND THE ENTIRE OPERATING INSTRUCTIONS AND SAFETY SECTION OF THIS MANUAL 11

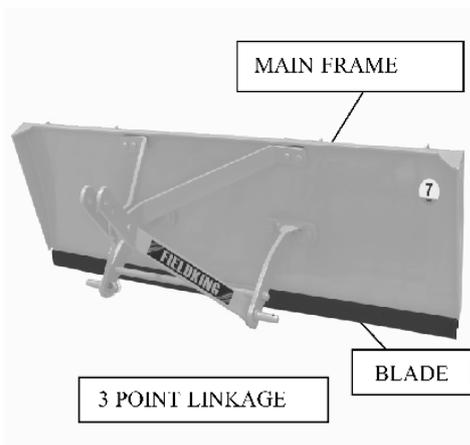
**AND THE TRACTOR MANUAL BEFORE ATTEMPTING TO USE THE TRACTOR AND IMPLEMENT.** If you do not understand any of the instructions, contact your nearest authorized dealer for a full explanation. Pay close attention to all safety signs and safety messages contained in this manual and those affixed to the implement and tractor.

READ, UNDERSTAND, and FOLLOW the following Safety Messages. Serious injury or death may occur unless care is taken to follow the warnings and instructions stated in the Safety Messages. Always use good common sense to avoid hazards.

## ASSEMBLY SECTION

### Assembly of Moldboard to Mainframe

The Field king Heavy Duty Land Leveller is shipped in two bundles. The Mainframe and Moldboard Carrier are in one bundle; the Moldboard is in the second bundle. The assembly of the Moldboard to the Moldboard Carrier is made by inserting the Moldboard Pivot Pin and securing with Bolts.



## OPERATION SECTION

### 1. Standard Equipment and Specifications

Max. Front Wheel Assist Tractor HP (Drawbar HP):

6'	35-50 HP
7'	45-55 HP
8'	50-65 HP

Moldboard Width 6', 7' & 8'

Moldboard Dimension 495 x 8 mm

Cutting Leveller 3/8"X4"

Hitch CAT II

### 2. OPERATOR REQUIREMENTS

Safe operation of the unit is the responsibility of a qualified operator. A qualified operator has read and understands the implement and tractor Operator's Manuals and is experienced in implement and tractor operation and all associated safety practices. In addition to the safety messages contained in this manual, safety signs are affixed to the implement and tractor. If any part of the operation and safe use of this equipment is not completely understood, consult an authorized dealer for a complete explanation.

If the operator cannot read the manuals for themselves or does not completely understand the operation of the equipment, it is the responsibility of the supervisor to read and explain the manuals, safety practices, and operating instructions to the operator.

Safe operation of equipment requires that the operator wear approved Personal Protective Equipment (PPE) for the job conditions when attaching, operating, servicing, and repairing the equipment. PPE is designed to provide operator protection and includes the following safety wear:

**NEVER** use drugs or alcohol immediately before or while operating the Tractor and Implement. Drugs and alcohol will affect an operator's alertness and coordination and therefore affect the operator's ability to operate the equipment safely. Before operating the Tractor or Implement, an operator on prescription or over-the-counter medication must consult a medical professional regarding any side effects of the medication that would hinder their ability to operate the Equipment safely. NEVER knowingly allow anyone to operate this equipment when their alertness or coordination is impaired. Serious injury or death to the operator or others could result if the operator is under the influence of drugs or alcohol.

### 1. TRACTOR REQUIREMENTS

Operating the Leveller with a tractor that does not meet the following requirements may cause tractor or Leveller damage and be a potential danger to the operator and passersby.

#### Tractor Requirements and Capabilities

1. ASABE approved Roll-Over Protective Structure (ROPS) or ROPS cab and seat belt.
2. Tractor Safety Devices ..... Slow Moving Vehicle (SMV) emblem, lighting,
3. Tractor Horsepower (Drawbar):  
- Front Wheel ..... 6' – 35-50 HP, 7' – 45-55 HP & 8' – 50-65 HP
4. Hitch - 3 Point Hitch..... CAT II
5. Front End Weights..... As needed to maintain 20% weight on front axle

#### Tractor 3-Point Hitch

Dia of upper hitch pin hole	26 MM
Width between inner faces of yoke	52 min.
Dia of lower hitch pin	28 min.
Mast height	610 MM



### 4. GETTING ON AND OFF THE TRACTOR

Before getting onto the tractor, the operator must read and completely understand the implement and tractor operator manuals. If any part of either manual is not completely understood, consult an authorized dealer for a complete explanation.

**WARNING** Do not mount or dismount the Tractor while the tractor is moving. Mount the Tractor only when the Tractor and all moving parts are completely stopped.



- **Boarding the Tractor**

Use both hands and equipped handrails and steps for support when boarding the tractor. Never use control levers for support when mounting the tractor. Seat yourself in the operator's seat and secure the seat belt around you.

Never allow passengers to ride on the tractor or attached equipment. Riders can easily fall off and be seriously injured or killed from falling off and being run over. It is the operator's responsibility to forbid all extra riders at all times.

**⚠ DANGER** Never allow children to operate, ride on, or come close to the Tractor or Implement. Usually, 16-17 year-old children who are mature and responsible can operate the implement with adult supervision, if they have read and understand the Operator's Manuals, been trained in proper operation of the tractor and Implement, and are physically large enough to reach and operate the controls easily.



### Dismounting the Tractor

Before dismounting, park the tractor and implement on a reasonably level surface, apply the parking brake, idle the engine down, and lower the implement to the ground. Shut down the tractor engine according to the operator's manual, remove the key, and wait for all motion to completely stop. Never leave the seat until the tractor, its engine and all moving parts have come to a complete stop.

Use hand rails and steps when exiting the tractor. Be careful of your step and use extra caution when mud, ice, snow or other matter has accumulated on the steps or hand rails. Use all handrails and steps for support and never rush or jump off the tractor.

## 5. STARTING THE TRACTOR

The operator must have a complete understanding of the placement, function, and operational use of all tractor controls before starting the tractor. Review the tractor operator's manual and consult an authorized dealer for tractor operation instructions if needed.

### Essential Tractor Controls:

1. Locate the ignition switch
  2. Locate the light control lever
  3. Locate the engine shut off control
  4. Locate the engine throttle control
  5. Locate the brake pedals and the clutch
  6. Locate the parking brake
  7. Locate the 3-point hitch control lever
  8. Locate the hydraulic remote control levers
- Before starting the tractor ensure the following:
9. Conduct all pre-start operation inspection and service according to the tractor operator's manual.
  10. Make sure all guards, shields, and other safety devices are securely in place.
  11. The parking brake is on.
  12. The 3-point hitch control lever is in the lowered position.
  13. The hydraulic remote control levers are in the neutral position.
  14. The tractor transmission levers are in park or neutral.

Refer to the tractor owner's manual for tractor starting procedures. Only start the tractor while seated and belted in the tractor operator's seat. Never bypass the ignition switch by short circuiting the starter solenoid.

After the tractor engine is running, avoid accidental contact with the tractor transmission to prevent sudden and unexpected tractor movement.

Never run the Tractor engine in a closed building or without adequate ventilation. The exhaust fumes can be hazardous to your health.

Start tractor only when properly seated in the Tractor seat. Starting a tractor in gear can result in injury or death. Read the Tractor operators manual for proper starting instructions.



## 6. CONNECTING THE Heavy Duty Land Leveller TO THE TRACTOR

Use extreme caution when connecting the Leveller to the tractor. The rear Leveller should be securely resting at ground level or set on blocks. Keep hands and feet from under the Leveller and clear of pinch points between the tractor hitch arms and Leveller pins.

Always shut the Tractor completely down, place the transmission in park, and set the parking brake before you or anyone else attempts to connect or disconnect the Implement and Tractor hitches.

### 6.1 Connecting the Heavy Duty Land Leveller

1. Shorten or remove the tractor drawbar to avoid interference when raising and lowering the land leveller.
2. Board the tractor and start the engine.  
Position the tractor to the Leveller with the 3-point lift arms positioned between the respective set of Leveller A-frame lift lugs. Note: Set the 3-point lift control to "Position Control" so that the lift arms maintain a constant height when attaching the Leveller. See the tractor Operator's Manual for correct settings when attaching 3-point equipment.
3. Turn off the tractor engine, set the parking brake.
4. Place the tractor in park, and dismount.
5. One lift arm at a time, align arm end hole between the set of holes of A-frame lift lugs. Insert hitch pin through the lug and arm holes and insert retaining pin into hitch pin. Walk around to opposite side and repeat procedure for remaining lift arm and hitch pin.
6. Extend or retract the 3-point top link to align its end hole with the holes of the Leveller's top link. Insert the top link pin and retain with the lynch pin.
7. Adjust any lower link check chains, guide blocks, or sway blocks to prevent the Leveller from swaying side to side and possible contact with tractor rear tires.



## 7. PRE-OPERATION INSPECTION AND SERVICE

Before each use, a pre-operation inspection and service of the implement and tractor must be performed. This includes routine maintenance and scheduled lubrication, inspecting that all safety devices are equipped and functional, and performing needed repairs. DO NOT operate the unit if the pre-operation inspection reveals any condition affecting safe operation. Perform repairs and replacement of damaged and missing parts as soon as noticed. By performing a thorough pre-operation inspection and service, valuable down time and repair cost can be avoided.

Periodically inspect all moving parts for wear and replace when necessary with authorized service parts. Look for loose fasteners, worn or broken parts, and leaky or loose fittings. Make sure all pins have cotter pins and washers. Serious injury may occur from not maintaining this machine in good working order.

### 7.2 Heavy Duty Land Leveller Pre-Operation Inspection/Service

Before each Leveller use, a complete inspection and service is required to ensure the Leveller is in a good and safe working condition. Damaged and/or broken parts should be repaired and/or replaced immediately. To ensure the Leveller is ready for operation, conduct the following.

The operator's manual and safety signs affixed on the unit contain important instructions on the safe and proper use of the equipment. Maintain these important safety features on the implement in good condition to ensure the information is available to the operator at all times.

- Ensure the manual canister is secured to the equipment with the operator's manual inside.
- Ensure all safety signs are in place and legible.
- Replace missing, damaged, and illegible decals.

## 8. DRIVING THE TRACTOR AND IMPLEMENT

Safe tractor transport requires the operator possess a thorough knowledge of the model being operated and precautions to take while driving with an attached implement. Ensure the tractor has the capacity to handle the weight of the implement and the tractor operating controls are set for safe transport. To ensure safety while driving the tractor with an attached implement, review the following.

This Implement may be wider than the Tractor. Be careful when operating or transporting this equipment to prevent the Implement from running into or striking sign posts, guard rails, concrete abutments or other solid objects. Such an impact could cause the Implement and Tractor to pivot violently resulting in loss of steering control, serious injury, or even death. Never allow the Implement to contact obstacles.

### 8.1 Driving the Tractor and Leveller

Start off driving at a slow speed and gradually increase your speed while maintaining complete control of the tractor and Leveller. Moving slowly at first will also prevent

the tractor from rearing up and loss of steering control. The tractor should never be operated at speeds that cannot be safely handled or which will prevent the operator from stopping quickly during an emergency. If the power steering or engine ceases operating, stop the tractor immediately as the tractor will be difficult to control.

Perform turns with the tractor and Leveller at slow speeds to determine how the tractor with an attached implement handles a turn. Determine the safe speed to maintain proper control of the tractor when making turns. When turning with an implement, the overall working length of the unit is increased. Allow additional clearance for the Leveller when turning.

To avoid overturns, drive the tractor with care and at safe speeds, especially when operating over rough ground, crossing ditches or slopes, and turning corners. Tractor wheel tread spacing should be increased when working on inclines or rough ground to reduce the possibility of tipping.

Use extreme caution when operating on steep slopes. Keep the tractor in a low gear when going downhill. DO NOT coast or free-wheel downhill.

## 9. OPERATING THE TRACTOR AND IMPLEMENT

**THE OPERATOR MUST COMPLETELY UNDERSTAND HOW TO OPERATE THE TRACTOR AND IMPLEMENT AND ALL CONTROLS BEFORE ATTEMPTING TO OPERATE.** The operator must read and understand the Safety and Operation Sections of the implement and tractor operator's manuals. These manuals must be read and explained to any operator who cannot read. Never allow someone to operate the implement and tractor without complete operating instructions.

Before starting any operation, the operator must become familiar with the area to be worked in and any obstacles and hazards contained within to ensure safety to the operator, bystanders, and equipment. Special attention should be paid to foreign debris, rough terrain, steep slopes, and passersby and animals in the area.

### 10. Operating the Leveller

Only operate the Leveller from the tractor operator's seat with the seat belt securely fastened. The tractor must be equipped with a ROPS in the raised position or a ROPS cab.

For light ditching, cleaning out ditches, and snow removal, operate the tractor at slow speeds, and be careful not to hit any hidden objects. Operating with a light load on the Leveller or at high speeds will subject the Leveller to severe damage from the impact load if a solid object is hit.

To refill a ditch, offset the mainframe to the right (left) and rotate the Moldboard to push the dirt into the ditch while traveling forward.

## Utility

To clean close to a fence or barn, offset the Moldboard to the right or left to extend the Leveller beyond the tractor tire. Be careful not to hang the Leveller Tip as this could result in damage to the Leveller or Moldboard. For smoothing out loose soil, a fine finish can be obtained by pushing the soil with the back of the Moldboard.

## Grading

Grading can be accomplished with the use of the Planer Wheel (Accessory Equipment). Set the Moldboard Pivot to the desired angle, lower the Leveller to the ground, and then set the depth of cut with the Hydraulic Cylinder. Do not drop the Planer Wheel on the ground. This could result in damage to the Planer Wheel or Hydraulic Cylinder.

**NOTE:** The warranty shall not apply to damage caused by misuse, abuse, or contact with obstructions.

## 11. DISCONNECTING THE LEVELLER FROM THE TRACTOR

Before disconnecting the Leveller, all movement must cease. Move the Leveller to a level storage location and lower the unit to the ground. If the Leveller is not resting securely on the ground, block the Leveller up securely before attempting to disconnect it from the tractor.

Use extreme care to keep feet and hands from under the Leveller and clear of any pinch points.

**⚠ DANGER** Always shut the Tractor completely down, place the transmission in park, and set the parking brake before you or anyone else attempts to connect or disconnect the Implement and Tractor hitches.

When disconnecting the Leveller the tractor should be completely shut down and secured in position, by lowering the parking jack. Relieve hydraulic pressure by moving the control levers back and forth several times. Then extend the tractor 3-point hitch top link to remove tension on the top link hitch pin. When the pin is loose and easy to rotate, remove the pin from the Leveller. Next remove both lower hitch pins.



## 2. Heavy Duty Land Leveller Storage

Properly preparing and storing the Leveller at the end of the season is critical to maintaining its appearance and to help ensure years of dependable service. The following are suggested storage procedures:

- \* Thoroughly clean all debris off the Leveller to prevent damage from rotting grass and standing water.
- \* Lubricate all Leveller grease points
- \* Tighten all bolts and pins to the recommended torque.



- \* Check the Leveller for worn and damaged parts.
- \* Perform repairs and make replacement
- \* Immediately so that the Leveller will be ready for use at the start of the next season.
- \* Store the Leveller in a clean, dry place with the Leveller resting securely on blocks or at ground level.
- \* Use spray touch-up enamel where necessary to prevent rust and maintain the appearance of the Leveller.

Never allow children to play on or around Tractor or Implement. Children can slip or fall off the Equipment and be injured or killed. Children can cause the Implement to shift or fall crushing themselves or others.

## 13. TRANSPORTING THE TRACTOR AND IMPLEMENT

Inherent hazards of operating the tractor and implement and the possibility of accidents are not left behind when you finish working in an area. Therefore, the operator must employ good judgment and safe operation practices when transporting the tractor and implement between locations. By using good judgment and following safe transport procedures, the possibility of accidents while moving between locations can be substantially minimized.

Never allow children or other persons to ride on the Tractor or Implement. Falling off can result in serious injury or death.

When transporting, only raise the Leveller enough to clear ground obstacles to prevent tipping, especially when traveling through rough terrain. Before transporting the tractor on a public roadway or boarding a trailer for transport, the tractor brake pedals should be locked together. Locking the pedals ensures that both wheels brake simultaneously while stopping, especially when making an emergency stop.

Use extreme caution and avoid hard applications of the tractor brakes when towing heavy loads at road speeds. Never tow the implement at speeds greater than MPH (25 kph).

### 13.1 Transporting on Public Roadways

Extreme caution should be used when transporting the tractor and implement on public roadways. The tractor must be equipped with all required safety warning features including a SMV emblem and flashing warning lights to alert drivers of the tractor's presence. Remember that roadways are primarily designed for automotive drivers and most drivers will not be looking out for you, therefore, you must look out for them. Check your side view mirrors frequently and remember that vehicles will approach quickly because of the tractor's slower speed. Be extremely cautious when the piece of equipment that you are towing is wider than the tractor tire width and/or extends beyond your lane of the road.

Make sure that a proper size safety tow chain is secured between the tractor and implement before entering a public road.

**WARNING** Only tow the Implement behind a properly sized and equipped Tractor which exceeds the weight of the Implement by at least 20%. DO NOT tow the Implement behind a truck or other type of vehicle. Never tow the Implement and another Implement connected in tandem. Never tow the Implement at speeds over 20 MPH.



**DANGER** Never allow children or other persons to ride on the Tractor or Implement. Falling off can result in serious injury or death.



**WARNING** Make certain that the “Slow Moving Vehicle” (SMV) sign is installed in such a way as to be clearly visible and legible. When transporting the Equipment use the Tractor flashing warning lights and follow all local traffic regulations.



The SMV (Slow-Moving Vehicle) emblem is universal symbol used to alert drivers of the presence of equipment traveling on roadways at a slow speed. SMV signs are a triangular bright orange with reflective red trim for both easy day and night visibility. Make sure the SMV sign is clean and visible from the rear of the unit before transporting the tractor and implement on a public roadway. Replace the SMV emblem if faded, damaged, or no longer reflective.



Make sure that all tractor flashing warning lights, headlights, and brake/tail lights are functioning properly before proceeding onto public roads. While newer model tractors have plenty of lighting to provide warning signals and operating lighting, most older models are only equipped with operating lights. Consult an authorized tractor dealer for lighting kits and modifications available to upgrade the lighting on older tractor models.

When operating on public roads, have consideration for other road users. Pull to the side of the road occasionally to allow all following traffic to pass. Do not exceed the legal speed limit set in your country for agricultural tractors. Always stay alert when transporting the tractor and implement on public roads. Use caution and reduce speed if other vehicles or pedestrians are in the area.

Reduce speed before turning or applying the brakes. Ensure that both brake pedals are locked together when operating on public roads.



## 13.2 Hauling the Tractor and Implement

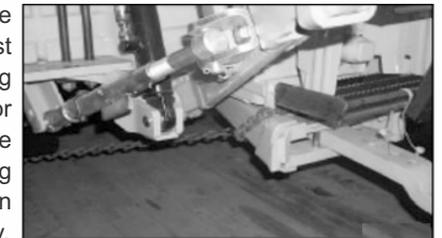
Before transporting a loaded tractor and implement, measure the height and width dimensions and gross weight of the complete loaded unit. Ensure that the load will be in compliance with the legal limits set for the areas that will be traveled through.



Use adequately sized and rated trailers and equipment to transport the tractor and implement. Consult an authorized dealer to determine the proper equipment required. Using adequately sized chains, heavy duty straps, cables and/or binders, securely tie down both the front and rear of the tractor utilizing the proper tie down locations as specified by the tractor manufacturer.



Arrange the chains so that when tightened, the chains are pulling downward and against themselves. Carefully tighten the securing chains or other fasteners using boomers or binders to apply maximum tension. Use extreme care when attaching and removing the securing devices as the extreme tension involved when released has the potential to inflict serious injury.



While hauling the tractor and implement, make occasional stops to check that the tractor and implement have not moved or shifted and that the securing chains have maintained tension. If during transport a hard braking, sharp turning, or swerving action was performed, stop at the next safe location to inspect the security of the load.

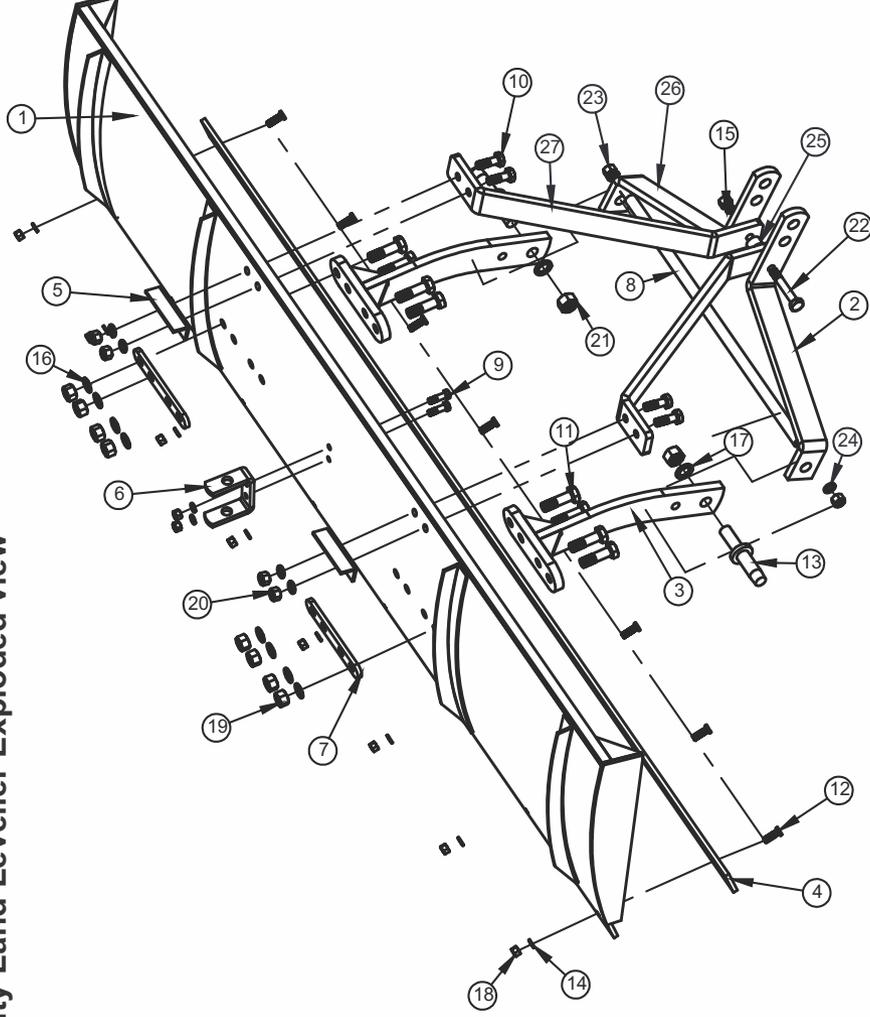
## MAINTENANCE SECTION

### Lubrication

The field king Leveller is a rugged, dependable Leveller that should perform satisfactorily with the following preventive maintenance:

Tighten all fasteners after use.

# Heavy Duty Land Leveller Exploded view



## HEAVY DUTY LAND LEVELER PART DETAILS

SL. NO.	DESCRIPTION	PART NO.				QTY			
		6FT	7FT	7.5FT	8FT	6FT	7FT	7.5FT	8FT
1	FRAME ASSEMBLY.	75800001	75780004	75770004	75740001				1
2	3- POINT LINKAGE ASSEMBLY		75750001						1
3	LINKAGE SUPPORT ASSEMBLY		75760001						2
4	BLADE	75800004	75780002	75770003	75740008				1
5	SUPPORT ANGLE		75740009						2
6	U-CLAMP		75740010						1
7	BACK LINK PLATE		75740011						2
8	LINK ROD		75740012						1
9	HEX HEAD BOLT M12X40X1.75MM (8.8 GRADE) (HALF THREAD)		10260355						2
10	HEX HEAD BOLT 16X50X2MM (8.8 GRADE)		10260358						4
11	HEX HEAD BOLT M20X70X2.5P		10260092						8
12	CSK BOLT M12X40X1.75MM (10.9 GRADE)		10260052			6	7	7	8
13	HITCH PIN M36X166L		10020024						2
14	SPRING WASHER 12 MM		10270003			8	9	9	10
15	SPRING WASHER 16 MM		10270005						5
16	SPRING WASHER 20 MM		10270016						8
17	SPRING WASHER 25 MM		10270007						2
18	NYLOCK NUT M12X1.75 (P)		10280025			8	9	9	10
19	NYLOCK NUT M16X2MM		10280005						5
20	NYLOCK NUT M20X2.5MM		10280021						8
21	NYLOCK NUT 25 MM		10280008						2
22	HEX HEAD BOLT 16X105X2MM (8.8 GRADE)		10260134						1
23	NYLOCK NUT M18X2.5MM		10280020						2
24	SPRING WASHER 18MM		10270006						2
25	LEVER BUSH		10070007						1
26	FRONT LINKAGE LEVER-65X16X910L		75750002						2
27	REAR LINKAGE LEVER-65X16X816L		75750003						2

## DELIVERY CHECKLIST

Dealer Pre-Delivery (Please Tick)	Please Complete all Dealer information Below
<p><b>1. Dealer Pre-Delivery Checklist</b></p> <ol style="list-style-type: none"> <li>1. The customer or person responsible has been given the operator's manual.</li> <li>2. The customer undertakes to read the complete operator's manual and understands all aspects of the manual before operation of the machine.</li> <li>3. All safety, operational and maintenance information have been explained and demonstrated.</li> <li>4. All greasing and oil points, stickers, guarding and ID plate have been identified and physically pointed out.</li> <li>5. The customer agrees that it is his responsibility to read and carry out the safety, maintenance and operation as per this operator's manual.</li> </ol>	<p><b>Dealer Information</b></p> <p>Dealer's Name.....</p> <p>Address.....</p> <p>State..... Postcode.....</p> <p>Phone..... Fax.....</p> <p>Email.....</p> <p>Service Person.....</p> <p>I confirm that the pre-delivery service was performed on this machine.</p> <p>Signature.....</p> <p>Date.....</p> <p>Comments.....</p>
Customer Delivery (Please Tick)	Please Complete all Customer Information Below
<p><b>2. Customer Delivery Checklist</b></p> <ol style="list-style-type: none"> <li>1. The customer or person responsible has been given the operator's manual.</li> <li>2. The customer undertakes to read the complete operator's manual and understands all aspects of the manual before operation of the machine.</li> <li>3. All safety, operational and maintenance information have been explained and demonstrated.</li> <li>4. All greasing and oil points, stickers, guarding and ID plate have been identified and physically pointed out.</li> <li>5. The customer agrees that it is his responsibility to read and carry out the safety, maintenance and operation as per this operator's manual.</li> </ol>	<p><b>Customer Information</b></p> <p>Customer's Name.....</p> <p>Address.....</p> <p>State..... Postcode.....</p> <p>Phone..... Fax.....</p> <p>Email.....</p> <p>Delivery Person.....</p> <p>I confirm that all of the delivery checks were explained and performed.</p> <p>Signature.....</p> <p>Delivery Date.....</p> <p>Comments.....</p>

# FIELDKING

## WARRANTY CARD Customer Copy

CUSTOMER NAME Mr./ Mrs :	
ADDRESS :	
MOBILE NO. :	
Email :	
NAME OF IMPLEMENT :	
MODEL NO. :	
YEAR OF Mfg. :	
SERIAL NO. :	
REGISTRATION NO. :	
DATE OF PURCHASING :	
NAME OF DEALER :	

Customer's Signature

Dealer's Signature



**Beri Udyog Pvt. Ltd.**

**Corporate Office** : Plot No. 235-236 & 238-240, Sec-3, HSIIDC,  
 Karnal- 132001 (Haryana), India ☎ +91-184-2221571/ 72/ 73  
 ✉ marketing@fieldking.com, exports@fieldking.com, 🌐 www.fieldking.com

# FIELDKING

## WARRANTY CARD Company Copy

CUSTOMER NAME Mr./ Mrs :

ADDRESS :

MOBILE NO. :

Email :

NAME OF IMPLEMENT :

MODEL NO. :

YEAR OF Mfg. :

SERIAL NO. :

REGISTRATION NO. :

DATE OF PURCHASING :

NAME OF DEALER :

Customer's Signature

Dealer's Signature



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✉️ marketing@fieldking.com, exports@fieldking.com, 🌐 www.fieldking.com

# FIELDKING

## WARRANTY CARD

Dealer Copy

CUSTOMER NAME Mr./ Mrs :

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